

## PATENT ABSTRACTS OF JAPAN

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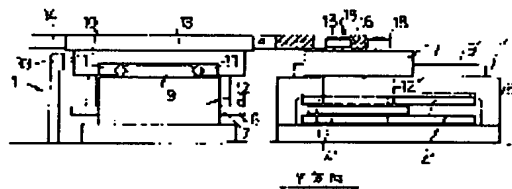
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## (54) X-Y TABLE

## (57)Abstract:

PURPOSE: To provide compact X-Y table, small in space of its driving units, by using a linear motor as an X-Y driving unit and placing it under a lower moving plate.

CONSTITUTION: In an X-Y table, an upper moving plate 14 travels in a Y- direction by a Y-directional driving unit. The upper moving plate 14 is supported above the lower moving plate 10, which moves in an X-direction by an X- direction driving unit, so that the upper moving plate 14 can be moved in X-Y directions. A linear motor 1 as an X-directional driving unit is provided under the lower moving plate 10. The Y-directional driving unit, for example, is also made of a linear motor 1'. Then, under the upper moving plate 14, the linear motor 1' is placed near the linear motor 1 of the lower moving plate 10. The X-directional linear motor 1 includes a coil 6 located on a movable side, and a yoke 8 located on a stationary side and fixed to a base. An X-directional guide part 9 with guiding rails on both sides is provided on the upper face of the yoke 8.



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